

SEQUENCE LISTING

100 TOWNS NEED COMMIT

<120> TRANSGENIC MICE CONTAINING 5-HT-2B GENE
DISRUPTIONS

<130> R-599

<140> US 09/903,376

<141> 2001-07-10

<150> US 60/218,358

<151> 2000-07-12

<150> US 60/223,120

<151> 2000-08-07

<150> US 60/223,122

<151> 2000-08-07

<160> 4

<170> FastSEO for Windows Version 4.0

<210> 1

<211> 1550

<212> DNA

<213> Mus musculus

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                               25
Leu Glu Thr Asp Ser Val Ala Glu Glu Met Lys Gln Thr Val Glu Gly
                           40
Gln Gly His Thr Val His Trp Ala Ala Leu Leu Ile Leu Ala Val Ile
                       55
Ile Pro Thr Ile Gly Gly Asn Ile Leu Val Ile Leu Ala Val Ala Leu
         70
                                      75
Glu Lys Arg Leu Gln Tyr Ala Thr Asn Tyr Phe Leu Met Ser Leu Ala
           . 85
                                 90
Ile Ala Asp Leu Leu Val Gly Leu Phe Val Met Pro Ile Ala Leu Leu
           100
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Thr Ile Met Phe Glu Ala Ile Trp Pro Leu Pro Leu Ala Leu Cys Pro
                          120
Ala Trp Leu Phe Leu Asp Val Leu Phe Ser Thr Ala Ser Ile Met His
                      135
Leu Cys Ala Ile Ser Leu Asp Arg Tyr Ile Ala Ile Lys Lys Pro Ile
                  150
                                      155
Gln Ala Asn Gln Cys Asn Thr Arg Ala Thr Ala Phe Ile Lys Ile Thr
              165
                                 170
Val Val Trp Leu Ile Ser Ile Gly Ile Ala Ile Pro Val Pro Ile Lys
          180
                              185
Gly Ile Glu Thr Asp Val Ile Asn Pro His Asn Val Thr Cys Glu Leu
                         200
                                             205
Thr Lys Asp Arg Phe Gly Ser Phe Met Val Phe Gly Ser Leu Ala Ala
                       215
                                          220
Phe Phe Val Pro Leu Thr Ile Met Val Val Thr Tyr Phe Leu Thr Ile
                  230
                                      235
His Thr Leu Gln Lys Lys Ala Tyr Leu Val Lys Asn Lys Pro Pro Gln
              245
                                  250
Arg Leu Thr Arg Trp Thr Val Pro Thr Val Phe Leu Arg Glu Asp Ser
           260
                              265
Ser Phe Ser Ser Pro Glu Lys Val Ala Met Leu Asp Gly Ser His Arg
                          280
Asp Lys Ile Leu Pro Asn Ser Ser Asp Glu Thr Leu Met Arg Arg Met
                      295
Ser Ser Val Gly Lys Arg Ser Ala Gln Thr Ile Ser Asn Glu Gln Arg
                  310
                                      315
Ala Ser Lys Ala Leu Gly Val Val Phe Phe Leu Phe Leu Leu Met Trp
                                  330
Cys Pro Phe Phe Ile Thr Asn Leu Thr Leu Ala Leu Cys Asp Ser Cys
                              345
                                                  350
Asn Gln Thr Thr Leu Lys Thr Leu Leu Glu Ile Phe Val Trp Ile Gly
                          360
                                              365
Tyr Val Ser Ser Gly Val Asn Pro Leu Ile Tyr Thr Leu Phe Asn Lys
                      375
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Thr Phe Arg Glu Ala Phe Gly Arg Tyr Ile Thr Cys Asn Tyr Arg Ala

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400
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                    390
385
Thr Lys Ser Val Lys Ala Leu Arg Lys Phe Ser Ser Thr Leu Cys Phe
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Gly Asn Ser Met Val Glu Asn Ser Lys Phe Phe Thr Lys His Gly Ile
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            420
Arg Asn Gly Ile Asn Pro Ala Met Tyr Gln Ser Pro Met Arg Leu Arg
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                            440
Cys Ser Thr Ile Gln Ser Ser Ser Ile Ile Leu Leu Asp Thr Leu Leu
        435
                                            460
                        455
Thr Glu Asn Asp Gly Asp Lys Ala Glu Glu Gln Val Ser Tyr Ile Leu
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                    470
Gln Glu Arg Ala Gly Leu Ile Leu Arg Glu Gly Asp Glu Gln Asp Ala
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Arg Ala Pro Trp Gln Val Gln Glu
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 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Targeting vector
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 taaaatgtct gaacaaagca caacttctga gcacatttta cagaagacat gtgatcacct 180
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 <210> 4
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 gtttggtgag tatttcccct tgttcctgcc actgaacact actaacgtag tgaaatggac 120
 actcactgac ctttattttg tttgaaataa aagaaggacc tggattaaaa acacagaagg 180
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